SBR No. 72/18-19
DATED 27-11-18

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No.108/18-19
Dt. 27-11-18

No.1st & Final Bill

Date.....2010

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-001-17-000053**
Schedule Docket No. Head of Account : **P – 1888** D.R.No.

Name of Work:- Maintenance including electrification to connected roads to International Airport road in Ward no 01,05&07.

Name of Contractor and Full Address:- **M/s Lakshmi varadaraja Electrical stores ,** dt: 15-7-17
Reference to Agreement No:EE/Ele/YZ/WO/0000H3/18-19 Date: 5-9-18

Certified that the measurements were taken by me on 28/9/18 and recorded of Pages 31178H to 791 of measurement Book No. 308/17-18 and that the work is satisfactorily executed.

Sri Lakshmi Varadaraja Electrical Stores Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 28/9/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Sub-Division Engineer (Ele.)
Sub-Division Officer
BBMP, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	Bill = 790467=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 7905=00
3)	" Balance	Seast 1% 7905=00
4)	Deduct Payment:	cost 1% 7905=00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	LWC 1% 7905=00
		CBFO.1% 790=00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	deductions = 32410=00
		cheque = 758057=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Sri Lakshmi Varadaraja Electrical Stores Proprietor

(For use in the Office)

Witness
1.
2.

Sri Lakshmi Varadaraja Electrical Stores Proprietor

Stamp

Dated Signature of Contractor

Paid by me by Cheque No/.....Dated...

Cash Rs.....

Dated.....Initials of Officer making payment

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P.1888 maintenance including
ರೂ: 790467=00 ಆಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 758057=00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 32410=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಇ.(ವ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description of Item	Unit
	Name Of Work:- Maintenance including electrification to connected roads to international Airport Road in Ward no 1,5&7.	
1	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 SQ.MM	Per Mtr
2	3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr
3	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr
4	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	Each
5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm4 core 16 sqmm	Per Mtr
6	3.5 core 25 sqmm	Per Mtr
7	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm	Per Mtr
8	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr
9	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos
10	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	Each
11	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Each
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	Each
13	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcm
14	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Each
15	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Per Mtr
16	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqcm
17	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Per Mtr
18	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Nos
	BESCOM SR	
19	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		2184	95.00	207480.00	2184	207480.00	
		137	125.00	17125.00	137	17125.00	
		2321	10.00	23210.00	2321	23210.00	
		105	5.00	525.00	105	525.00	
		200	135.00	27000.00	200	27000.00	
		150	175.00	26250.00	150	26250.00	
		250	10.00	2500.00	250	2500.00	
		200	90.00	18000.00	200	18000.00	
		12	2900.00	34800.00	12	34800.00	
		10	90.00	900.00	10	900.00	
		24	100.00	2400.00	24	2400.00	
		11	1200.00	13200.00	11	13200.00	
		238000	0.30	71400.00	238000	71400.00	
		19	7900.00	150100.00	19	150100.00	
		100	50.00	5000.00	100	5000.00	
		48600	0.20	9720.00	48600	9720.00	
		31	200.00	6200.00	31	6200.00	
		12	2200.00	26400.00	12	26400.00	
		0		0.00	0	0.00	
		6	700.00	4200.00	6	4200.00	

20	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos
21	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos
22	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos
23	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Days
24	Laying of UG Cables by trenchless technology by adopting horizontalboring & Drawing of cable including preparation at site With HDPE Pipei) Normal soil 5" bore size	Mtrs
25	Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cm thick vibrated for all works , in foundation, plinth and sills including cost of all materials,labour,HOM of machinery, curring complete as per sepecifications (P-12 It no.4.11)	Cmt
	EIRL	
26	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 35 sqmm	Mtrs
27	Supplay of 2 Pin Cross Arm with pole clamp, bolt & nuts & washers for RCC Pole - MS	Nos
28	Suspension clamp suitable for insulated Messsenger wire of size 25 to 95Sq mm	Nos
29	Universal Hook and Bolts & Nuts	Nos
30	Dead End Clamp/Anchor Clamp Assembly 16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos
31	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos
32	Fixing of Universal Hook/Dead end clamp	Nos
33	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos
	Total Qty	

Certificate:-

Certify that the work has been carried out satisfactorily

T.N. Baddy
JE (E)

Assistant Executive Engineer (E.S)
BBMP, Bangalore

		6	500.00	3000.00	6	3000.00	
		6	700.00	4200.00	6	4200.00	
		3	700.00	2100.00	3	2100.00	
		4	1500.00	6000.00	4	6000.00	
		82	650.00	53300.00	82	53300.00	
		1	2000.00	2000.00	1	2000.00	
				0.00	0	0.00	
		100	161.47	16146.60	100	16146.60	
		66	128.22	8462.72 52	66	8462.72 52	
		60	257.24	15434.25 HD	60	15434.25 HD	
		60	241.41	14484.45 60	60	14484.45 60	
		12	158.30	1899.60	12	1899.60	
		60	91.02	5461.35 20	60	5461.35 20	
		72	91.02	6553.62 HH	72	6553.62 HH	
		66	75.98	5014.94 68	66	5014.94 68	
				790467.53 DH		790467.53 DH	